CERES INSTRUMENT STATUS

- Instrument Through Test and Calibration at TRW
- Passed Pre-Shipment Readiness Review
- Sent to Valley Forge for I&T on AM-1

CERES ALGORITHM STATUS

- Release 2 Algorithms Under Development for TRMM
  - Instrument Subsystem being prepared for Sim Test #2
  - ERBE-like Subsystems being prepared for probable ERBE reprocessing after Sim Test
  - Other Subsystems to be delivered over summer
  - No expected changes from TRMM to AM-1

CERES INSTRUMENT PERFORMANCE

- Instrument Performance As Expected
  - Still require deep-space observation
  - Slight variations in instrument noise from unit to unit not a problem

CERES ISSUES AND CONCERNS

- EOSDIS Performance and Delivery Schedule

- Production and Validation Schedule

CERES GRIDDED PRODUCTS

- Gridded Products Part of CERES Data Processing System Design -- Since Conception and Proposal
  - ERBE-like (Monthly Average)
  - Surface Radiation Budget
  - Synoptic Product
  - Full Radiation Fields and Clouds (Monthly Average)

- Likely to be most widely used CERES products

CERES GRIDDED PRODUCT IMPLEMENTATION

- Fully Implemented With TRMM
- Design (and Coding) Unchanged for AM-1
- Resources Included in Scenarios Delivered to Project

ISSUES AND CONCERNS

- Normal Concerns Related to Validation
  - ERBE-like should be no problem
  - Validation problems flow down-hill
    - Instrument calibration
    - Cloud properties
    - Surface Budget
    - Full cloud and radiation fields

EOSDIS BACKUP

- TRMM Backup System Being Designed
  - Use SGI hardware (Origin 2000 and RAID Vaults)
  - Extend V0 system
- Emergency Backup Would Extend TRMM
  - CERES software designed to handle multiple instruments and satellites
  - Major change at AM-1 is more jobs and files (125/day to 500/day)